

## ***Project Summary and Justification***

Department	Public Works
Division	Watershed Management

The 2002-2008 Storm Drainage Capital Improvement Program is a combination of projects which require funding on an annual basis and projects requiring one-time funding for construction at specific locations.

- Project 1**      **City Subsidy to Storm Drainage Construction in Paving Districts**  
**Project 2**      **City Subsidy to Storm Drainage Construction in New Subdivisions**  
**Project 3**      **Preliminary Storm Drainage Study, Engineering, Emergency Construction and Right-of-Way and Easement Acquisition**

Projects 1, 2 and 3 reflect the continuing need to finance the construction of storm drain extensions required in conjunction with the construction of paving districts throughout the City; continuing the policy of not subsidizing storm drain system construction within new subdivisions and the need to provide funding for preliminary engineering, right-of-way and easement acquisition.

- Project 4**      **Miscellaneous Minor Public Storm Drain Improvement, Such as Repairs to Physically Distressed Systems and Upgrading Small Aging Systems**

Project 4 is for construction of minor storm drain improvements at various locations in the public storm drain system where deficiencies are causing local drainage problems or repairs are needed to existing facilities. Specific locations have not been identified.

- Project 5**      **Comprehensive Master Storm Water Basin Management Plans**

Project 5 provides continuing funding for "Comprehensive Stormwater Drainage Basin Management Plans" including FEMA map updates. These plans will be a tool to manage drainage quantity and quality and prioritize future stormwater expenditures in each drainage basin with the City. LPSNRD will assist in providing funds for this project.

- Project 6**      **Emergency Streambank Protection along Salt Creek and on Beal Slough**

Project 6 is for emergency streambank protection along Salt Creek due to bank erosion which is currently threatening the landfill at the area to be protected. Also emergency streambank protection is needed on Beal Slough where a sanitary siphon is being undermined. USACE, LPSNRD, Landfill, and Wastewater are providing the majority of the funds for this project.

- Project 7**      **Channel Improvement and Implementation of Master Planned Basin Projects**

Project 7 is the specific channel improvement projects in Master Planned Basins such as Beal Slough, which includes streambed and bank stability measures. LPSNRD will assist in providing funds for these projects.

- Project 8**      **Dead Man's Run Channel Stabilization**

Project 8 is for specific channel rehabilitation on Dead Man's Run at the University of Nebraska, Lincoln East Campus. Channel rehabilitation will include channel bank stabilization and grade controls. Funding is anticipated to be cost shared with LPSNRD.

***Project Summary and Justification (cont.)***

Department	<u>Public Works</u>
Division	<u>Watershed Management</u>

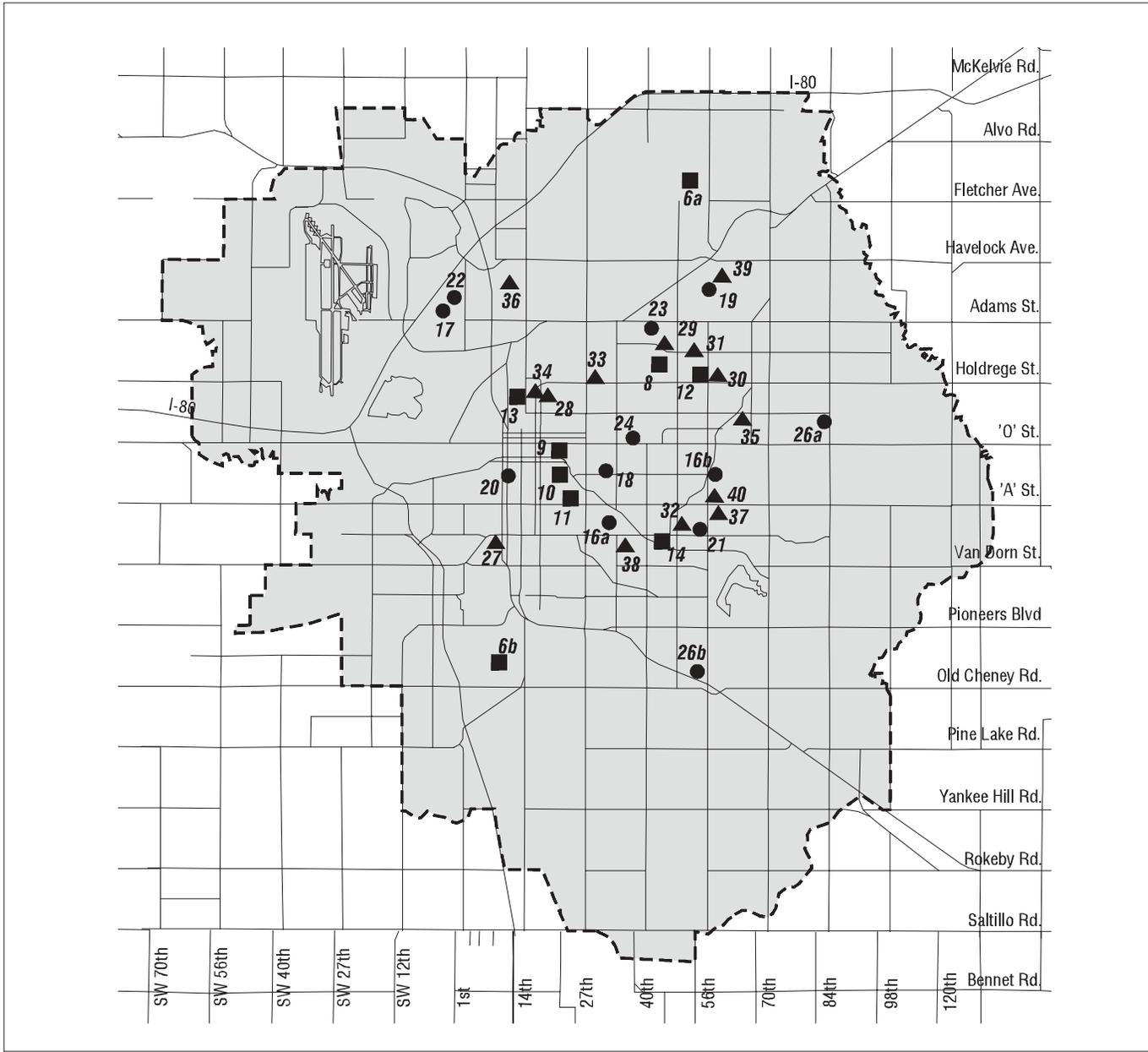
**Projects 9 - 44                      Various Construction Projects**

Projects 9 through 44 are construction projects at various locations in the City where no system exists or to replace a structurally deficient system. These projects also include replacement of the existing storm drain systems that do not meet current standards. The lack of a proper storm drain system causes street and private property flooding during intense storm events. These projects were among the projects originally identified and prioritized in a 1979 study or areas identified and studied since the 1979 study. Some of the higher priority projects include storm drainage replacement in conjunction with the Antelope Valley Project. These projects are proposed to be funded by general obligation bonds which must be approved by voters of the City of Lincoln.

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# Lincoln CIP 2002 - 2008

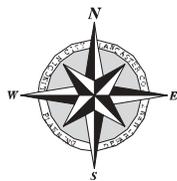
# Public Works Watershed Management



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## Lincoln Future Service Limit Shown as Gray

Map prepared by  
City - Co. Planning Dept  
GIS Section



- 2002 - 2003
- 2004 - 2005
- ▲ 2006 - 2007

*List of Projects*      *Department: Public Works / Watershed Management*

Project      Project  
Number      Title

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- (1.)                      City subsidy to storm drainage construction in paving districts
- (2.)                      City subsidy to storm drainage construction in new subdivisions
- (3.)                      Preliminary storm drain studies, engineering, emergency construction, and right-of-way acquisition
- (4.)                      Miscellaneous minor public storm drain improvements
- (5.)                      Comprehensive Master Storm Water Basin Management Plans
- 6a.                      Emergency Streambank Protection along Salt Creek
- 6b.                      Emergency Streambank Protection along Beal Slough for Siphon Protection
- (7.)                      Channel Improvements and Implementation of Master Planned Basin Projects
- 8.                        Dead Man's Run Channel Stabilization Project
- 9.                        Storm Drainage 'L' Street - 20th to 21st Street; 21st Street - 'L' to 'N'
- 10.                      Storm Drainage 'K' Street - 19th to Antelope Creek
- 11.                      Storm Drainage 21st - 'C' to 'K'
- 12.                      Storm Drainage 52nd and Holdrege to 51st and Starr Streets; 52nd and Holdrege to 54th & Dudley; 56th and Holdrege to 51st and Orchard; Deweese 53rd to 54th; Aylesworth 57th to 56th
- 13.                      Storm Drainage 12th - Charleston to Court
- 14.                      Storm Drainage Cotner Blvd - Antelope Creek to South Street
- (15.)                      Miscellaneous Repairs and Rehabilitations to be identified Prior to Bond Issue
- 16a.                      Storm Drainage Infrastructure Rehabilitation in Antelope Park along Memorial Drive
- 16b.                      Storm Drainage Infrastructure Rehabilitation in Taylor Park
- 17.                      Storm Drainage NW 7th - W. Belmont to N 1st and W. Nance Street
- 18.                      Storm Drainage 28th and 'D' to 33rd and Randolph
- 19.                      Storm Drainage Sherwood and Somerset to 54th and Cleveland
- 20.                      Storm Drainage 9th & 'H' to 14th & 'H' Street
- 21.                      Storm Drainage 52nd St. - Glade to Franklin
- 22.                      Storm Drainage NW 8th & W. Saunders to NW 9th & Cornhusker
- 23.                      Storm Drainage Cleveland - 43rd to 44th
- 24.                      Storm Drainage 36th & "O" to 39th & 'L' Street
- (25.)                      Miscellaneous Repairs and Rehabilitations to be identified Prior to Bond issue
- 26a.                      Storm Drainage Infrastructure Rehabilitation Herbert Park
- 26b.                      Storm Drainage Infrastructure Rehabilitation Larson Park
- 27.                      Storm Drainage Plum St. - Park to 10th St; South & Park to 10th & Peach
- 28.                      Storm Drainage 17th St. - 'Y' to Dudley St.
- 29.                      Storm Drainage Huntington Ave., 42nd to 46th St.
- 30.                      59th & Holdrige to 61st & Leighton Laterals
- 31.                      Garland - 50th to 53rd; 50th Garland to Deadman's Run
- 32.                      48th & South to 49th & Franklin
- 33.                      27th & Dudley to 30th & Starr
- 34.                      Yolande - Lillian to Salt Creek ; 15th & Adams Yolande & Cornhusker
- 35.                      York Lane & Meadowlane Dr. to W Avon & Carlos Dr
- 36.                      Lewis & North Park to 12th & Irving
- 37.                      Crestline Dr. - Franklin to Manor
- 38.                      33rd St. - Ryons to Lake St.
- 39.                      Laterals from Fremont in 57th, 63rd & 65th
- 40.                      Eastridge Drive - 'A' to Margo
- 41.                      X' Street - 6th to 9th
- 42.                      NW 7th & W. Dawes to NW 6th & Cornhusker; NW 6th & W. Dawes to NW 4th and Cornhusker
- (43.)                      Miscellaneous Repairs and Rehabilitations to be identified Prior to Bond Issue
- 44a.                      Storm Drainage Infrastructure Rehabilitation Tierra Park
- 44b.                      Storm Drainage Infrastructure Rehabilitation Roper Park

\*Project number in parenthesis indicates project is not shown on the map.

DEPARTMENT: PUBLIC WORKS

FORM A

2002 - 2008 CAPITAL IMPROVEMENT PROGRAM

DIVISION: WATERSHED MANAGEMENT (STORM SEWER & DRAINAGE)

(1)	(2)	(3)	5% Inflation per year (4)														
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)														
			2002-2003	FS	2003-2004	FS	2004-2005	FS	2005-2006	FS	2006-2007	FS	2007-2008	FS			
1	City subsidy to storm drainage construction in paving districts	A			41.5 GR			43.6 GR			45.7 GR			48.0 GR			50.4 GR
2	City subsidy to storm drainage construction in new subdivisions	A															
3	Preliminary storm drain study, engineering, emergency construction, and right-of-way and easement acquisition	A			14.7 GR			15.4 GR			16.2 GR			17.0 GR			17.9 GR
4	Miscellaneous minor public storm drain Improvements, such as repairs to physically distressed systems and upgrading small aging systems	A			105.0 GR			110.3 GR			115.8 GR			121.6 GR			127.6 GR
5	Comprehensive Master Storm Water Basin Management Plans (Additional funding by LPSNRD)	A			240.5 GR			252.6 GR			265.2 GR			278.5 GR			292.2 GR
			129.0 OF		140.5 OF			152.6 OF			165.2 OF			178.5 OF			192.2 OF
			129.0		381.0			405.2			430.4			457.0			484.4
6	Emergency Streambank Protection along Salt Creek and on Beal Slough for Siphon Protection (USACE Funding) (Lower Platte South NRD Funding) (Landfill Revenue) (Wastewater Utility Revenue)	A			148.2 FA												
					39.9 OF												
					17.5 LF												
					2.5 UR												
					208.1												
7	Implementation of Master Planned Basin Projects (Additional Funding by LPSNRD) Channel Improvements, streambed, bank stability measures; engineering, easements and land acquisition projects recommended in Master planned basins Including FEMA Map Updates	A	1,000.0 GO		110.0 GR			1,000.0 GO			121.3 GR			1,000.0 GO			133.7 GR
			200.0 OF		200.0 OF			200.0 OF			200.0 OF			200.0 OF			200.0 OF
			1,200.0		310.0			1,200.0			321.3			1,200.0			333.7
8	Dead Man's Run Channel Stabilization (Lower Platte South NRD Funding)	A	550.0 GO					400.0 GO									
			550.0 OF					400.0 OF									
			1,100.0					800.0									
9	Storm Drainage 'L' Street-20th to 21st St; 21st St - 'L' to 'N' St	A	585.5 GO														
10	Storm Drainage 'K' Street-19th to Antelope Creek Creek	A	666.7 GO														
11	Storm Drainage 21st, 'C' to 'K' (in association with resurfacing)	A	704.0 GO														

(5)	(6)	(7)		(8)	(9)	(10)	(11)						(1)	
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2007-2008 (000's)	PRIOR APPROPRIATIONS (000's)		TOTAL CAP COSTS (000's)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)						PROJ. NO.	
		YEAR	FS	(5)+(6)+(7)			PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)		
229.2	Unknown	39.5	01-02 GR	268.7	GCP	1					229.2			1
0.0	Unknown	None		0.0	GCP	1					0.0			2
81.2	Unknown	14.0	01-02 GR	95.2	GCP	1		9.5	19.0		52.7			3
580.3	Unknown	100.0	01-02 GR	680.3	GCP	1		52.8			527.5			4
2,286.9	Unknown	229.0	01-02 GR	2,515.9	ICWP	1							Plan Development 2286.9	5
208.1	None	None		208.1	GCP	6					208.1			6
4,565.0	Unknown	100.0	01-02 GR	4,665.0	GCP	1		456.5			4,108.5			7
1,900.0	None	None		1,900.0	GCP	4		152.0			1,748.0			8
585.5	None	None		585.5	GCP	1		35.2			550.3			9
666.7	None	None		666.7	GCP	1		40.0			626.7			10
704.0	None	None		704.0	GCP	1		42.2			661.8			11

DEPARTMENT: PUBLIC WORKS

FORM A

2002 - 2008 CAPITAL IMPROVEMENT PROGRAM

DIVISION: WATERSHED MANAGEMENT (STORM SEWER & DRAINAGE)

(1)	(2)	(3)	5% Inflation per year (4)													
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)													
			2002-2003	FS	2003-2004	FS	2004-2005	FS	2005-2006	FS	2006-2007	FS	2007-2008	FS		
12	Storm Drainage 52nd and Holdrege to 51st and Starr Streets; 52nd & Holdrege to 54th & Dudley; 56th Holdrege to 51st & Orchard Deweese 53rd to 54th, Aylesworth 57th to 56th (46b,c,d and 47c,d)	A	762.7	GO												
13	Storm Drainage 12th - Charleston to Court (17a)	A	737.0	GO												
14	Storm Drainage Cotner Blvd - Antelope Creek to South Street (40 a)	B					1,089.0	GO								
15	Miscellaneous Repairs and Rehabilitations to be identified Prior to Bond issue	A	355.0	GO												
16	Storm Drainage Infrastructure Rehabilitation on Parks & Recreation property (Antelope Park along Memorial Drive and Taylor Park - Dead Man's Run Tributary)	A	250.0	GO												
17	Storm Drainage NW 7th - W Belmont to N 1st and W. Nance St (29a)	B					475.0	GO								
18	Storm Drainage 28th & 'D' to 33rd & Randolph (23 d)	B	1,117.0	GO												
19	Storm Drainage Sherwood and Somerset to 54th and Cleveland (60 b)	B					850.0	GO								
20	Storm Drainage 9th & 'H' to 14th & 'H' St. (32 d)	B					480.0	GO								
21	Storm Drainage 52nd St. - Glade to Franklin (57 a)	B					410.0	GO								
22	Storm Drainage NW 8th & W. Saunders to NW 9th & Corn. (29 d)	B					115.0	GO								
23	Storm Drainage Cleveland - 43rd to 44th (63)	B					270.0	GO								
24	Storm Drainage 36th & "O" to 39th & 'L' St. (4 c)	B					1,000.0	GO								
25	Miscellaneous Repairs and Rehabilitations to be identified Prior to Bond issue	B					355.0	GO								

FORM B

(5)	(6)	(7)		(8)	(9)	(10)	(11)					(1)	
							COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)						
							PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH		OTHER (EXPLAIN)
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2007-2008 (000's)	PRIOR APPROPRIATIONS (000's)	YEAR	FS	TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS						
762.7	None	None			762.7	GCP	1		61.0		701.7		12
737.0	None	None			737.0	GCP	1		59.0		678.0		13
1,089.0	None	None			1,089.0	GCP	1		87.1		1,001.9		14
355.0	None	None			355.0	GCP	1		28.4		326.6		15
250.0	None	None			250.0	GCP	1		20.0		230.0		16
475.0	None	None			475.0	GCP	1		38.0		437.0		17
1,117.0	None	None			1,117.0	GCP	1		89.4		1,027.6		18
850.0	None	None			850.0	GCP	1		68.0		782.0		19
480.0	None	None			480.0	GCP	1		38.4		441.6		20
410.0	None	None			410.0	GCP	1		32.8		377.2		21
115.0	None	None			115.0	GCP	1		9.2		105.8		22
270.0	None	None			270.0	GCP	1		21.6		248.4		23
1,000.0	None	None			1,000.0	GCP	1		80.0		920.0		24
355.0	None	None			355.0	GCP	1		28.4		326.6		25

DEPARTMENT: PUBLIC WORKS

FORM A

2002 - 2008 CAPITAL IMPROVEMENT PROGRAM

DIVISION: WATERSHED MANAGEMENT (STORM SEWER & SEWER)

(1)	(2)	(3)	5% Inflation per year (4)														
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)														
			2002-2003	FS	2003-2004	FS	2004-2005	FS	2005-2006	FS	2006-2007	FS	2007-2008	FS			
26	Storm Drainage Infrastructure Rehabilitation on Parks & Recreation property (Herbert Park - Dead Man's Run Tributary and Larson Park - Beal Slough Tributary)	B					250.0	GO									
27	Storm Drainage Plum St. - Park to 10th St. and Storm sewer South & Park to 10th & Peach (30 a, c)	B											780.0	GO			
28	Storm Drainage 17th St. - 'Y' to Dudley St. (49 a)	B											155.0	GO			
29	Storm Drainage Huntington Ave., 42nd to 46th St. (24)	B											240.0	GO			
30	59th & Holdrege to 61st & Leighton Laterals (14)	B											325.0	GO			
31	Garland - 50th to 53rd; 50th Garland to Deadman's Run (47 a, b)	B											375.0	GO			
32	48th & South to 49th & Franklin (40 b)	B											125.0	GO			
33	27th & Dudley to 30th & Starr (36 c)	B											320.0	GO			
34	Yolande - Lillian to Salt Creek ; 15th & Adams Yolande & Cornhusker (20 a,b)	B											270.0	GO			
35	York Lane & Meadowlane Dr. to W Avon & Carlos Dr (59d)	B											300.0	GO			
36	Lewis & North Park to 12th & Irving (31)	B											112.0	GO			
37	Crestline Dr. - Franklin to Manor (58)	B											425.0	GO			
38	33rd St. - Ryons to Lake St. (12 a)	B											150.0	GO			
39	Laterals from Fremont in 57th, 63rd & 65th (42 d)	B											200.0	GO			
40	Eastridge Drive - 'A' to Margo (57 c)	B											125.0	GO			
41	X' Street - 6th to 9th (17 c)	B											115.0	GO			
42	NW 7th & W. Dawes to NW 6th & Cornhusker; NW 6th & W. Dawes to NW 4th and Cornhusker (29 b,c)	B											170.0	GO			

FORM B

(5)	(6)	(7)		(8)	(9)	(10)	(11)						(1)	
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2007-2008 (000's)	PRIOR APPROPRIATIONS		TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)						PROJ. NO.	
		YEAR	FS				PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)		
250.0	None	None		250.0	GCP	1		20.0			230.0			26
780.0	None	None		780.0	GCP	1		62.4			717.6			27
155.0	None	None		155.0	GCP	1		12.4			142.6			28
240.0	None	None		240.0	GCP	1		19.2			220.8			29
325.0	None	None		325.0	GCP	1		26.0			299.0			30
375.0	None	None		375.0	GCP	1		30.0			345.0			31
125.0	None	None		125.0	GCP	1		10.0			115.0			32
320.0	None	None		320.0	GCP	1		25.6			294.4			33
270.0	None	None		270.0	GCP	1		21.6			248.4			34
300.0	None	None		300.0	GCP	1		24.0			276.0			35
112.0	None	None		112.0	GCP	1		9.0			103.0			36
425.0	None	None		425.0	GCP	1		34.0			391.0			37
150.0	None	None		150.0	GCP	1		12.0			138.0			38
200.0	None	None		200.0	GCP	1		16.0			184.0			39
125.0	None	None		125.0	GCP	1		10.0			115.0			40
115.0	None	None		115.0	GCP	1		9.2			105.8			41
170.0	None	None		170.0	GCP	1		13.6			156.4			42

DEPARTMENT: PUBLIC WORKS

FORM A

2002 - 2008 CAPITAL IMPROVEMENT PROGRAM

DIVISION: WATERSHED MANAGEMENT (STORM SEWER & DRAINAGE)

(1)	(2)	(3)	5% Inflation per year (4)														
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)														
			2002-2003	FS	2003-2004	FS	2004-2005	FS	2005-2006	FS	2006-2007	FS	2007-2008	FS			
43	Miscellaneous Repairs and Rehabilitations to be identified Prior to Bond Issue	B										355.0	GO				
44	Storm Drainage Infrastructure Rehabilitation on Parks and Recreation property (Tierra Park - Beal Slough Tierra Branch Tributary and Roper Park - Lynn Creek Tributary)	B										250.0	GO				
FUNDING SOURCE BREAKDOWN:																	
	GO (General Obligation)		6,727.9		0.0		6,694.0		0.0		5,792.0		0.0				
	GR (General Revenue)		0.0		511.7		421.9		564.2		465.1		621.8				
	OF (Lower Platte South NRD)		918.9		340.5		752.6		365.2		378.5		392.2				
	FA (USACE)		148.2														
	LF (Landfill Revenue)		17.5														
	UR (Wastewater Utility Revenue)		2.5														
	DIVISION TOTAL:		=====		=====		=====		=====		=====		=====				
			7,815.0		852.2		7,868.5		929.4		6,635.6		1,014.0				

(5)	(6)	(7)		(8)	(9)	(10)	(11)						(1)
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2007-2008 (000's)	PRIOR APPROPRIATIONS		TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)						PROJ. NO.
		YEAR	FS				PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)	
355.0	None	None		355.0	GCP	1		28.4		326.6			43
250.0	None	None		250.0	GCP	1		20.0		230.0			44
19,213.9													
2,584.7													
3,147.9													
148.2													
17.5													
2.5													
=====													
25,114.7													

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